

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number  
**WO 2005/051103 A1**

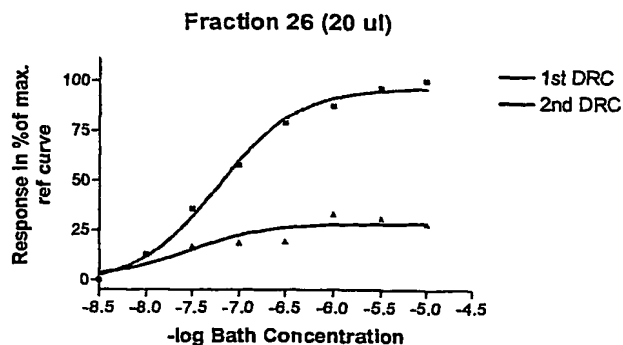
- (51) International Patent Classification<sup>7</sup>: **A23L 1/30**, A61K 35/78, A23D 7/005, C07C 62/32
- (21) International Application Number: PCT/GB2004/004575
- (22) International Filing Date: 29 October 2004 (29.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03256869.3 30 October 2003 (30.10.2003) EP
- (71) Applicant (for all designated States except US): **LODERS CROKLAAN B.V.** [NL/NL]; Hogeweg 1, NL-1521 AZ Wormerveer (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **YAN, Youchun** [DE/NL]; Loders Croklaan BV, Hogeweg 1, NL-1521 AZ Wormerveer (NL). **CAIN, Frederick, William** [GB/NL]; Loders Croklaan B.V., Hogeweg 1, NL-1521 AZ Wormerveer (NL). **SCHMID, Ulrike** [DE/NL]; Loders Croklaan BV, Hogeweg 1, NL-1521 AZ Wormerveer (NL). **STAM, Wiro** [NL/NL]; Loders Croklaan BV, Hogeweg 1, NL-1521 AZ Wormerveer (NL). **GERRITSEN, Jeanet** [NL/NL]; Loders Croklaan B. V., Hogeweg 1, NL-1521 AZ Wormerveer (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FOOD PRODUCT COMPRISING AN EXTRACT FROM PINE NEEDLES



	1st DRC	2nd DRC
BOTTOM	-2.550	0.7572
TOP	98.67	28.58
LOGEC50	-7.225	-7.539
EC50	5.9820e-008	2.8910e-008

(57) Abstract: A food product comprises a fat continuous emulsion, wherein the emulsion comprises a material comprising one or more organic compounds, said material being obtainable as an extract from pine needles.